

Work Order ID 141227

141227

Page 1

February 01, 2016 2:52:12 PM

Item ID: D209-669-013 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates
 Start Date: 2/1/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 3/14/2016 Req'd Qty: 1.00 ***1*** Customer:

Reference:

Approvals: Process Plan: SA Date: 20160203 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D209-669-013	Rev B (DEO) <u>SA</u>		DAS	6					MLG 1603-08
DSI 9450	Rev A		9-89						
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP d209-669-013 CHG004								MAR 3 1 2016
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

DAS
6
9-89

MLG

MAR 07 2016

B141667

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
		OTHER : ☐							

Work Order ID 141227***141227***

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Item ID: D209-669-013 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates
Start Date: 2/1/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 3/14/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
120						DAS			
QC	Memo	0.00				27			
Quality Control						9-89			
									MAR 2 1 2016
130	Packaging	0.00							
130						DAS			
Packaging	Memo	0.00				27			
Packaging	Identify and pack for shipping as per PPPD209-669-013					9-89			
	Location: _____								DAS
									28
									9-89
									MAR 3 1 2016
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									MCS
									APR 0 1 2016

MCS **APR 0 1 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐			

Picklist Print

February 01, 2016 2:52:18 PM

Page 1

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

Comments:

New IPP 08.02.13 LL, verified by:DD

IPP Rev:B 08-05-20 chg QTY of D2570 DD verified by: IPP REV:C

12.06.07 ECN 12-599 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D209-669-043

Manufactured No

110

Each

X0000

1

1

D209-669-043

AH-1F/P/S Replacement Skidtube with Standard Wearplates, Fits LH or RH

**

B 141667

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

Mezz

4

39205

2

39206

2

D2917-1

Manufactured No

110

Each

0.0000

2

2

D2917-1

Saddle LH

DAS
27
9-89

**

141667

DAS
6
9-89

MAR 15 2016

D2918-1

Manufactured No

110

Each

3.0000

2

2

D2918-1

Saddle LH

DAS
27
9-89

**

141669

DAS
6
9-89

MAR 24 2016

Location

Loc Qty

Loc Code

Mezz

3

84938

3

Picklist Print

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Page 2

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

AN4-51A

Purchased

No

110

Each

157.0000

8

DAS

6
9-89

AN4-51A

Bolt

Location

Loc Qty

Loc Code

FG

5

122993

5

over004

50

m133769

50

ST340

102

m132536

1

m133077

1

m133316

100

110

Each

459.0000

24

DAS

6
9-89

D2570

Manufactured

No

D2570

Bushing

Location

Loc Qty

Loc Code

FG

12

88781

12

FP001

89

133432

3

137172

86

ST008

57

136511

9

138272

48

ST012a

301

138273

200

138946

101

MAR 07 2016

Picklist Print

February 01, 2016 2:52:18 PM

Page 3

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

3,332.000

24

24

MS21042L4

Locknut

**

DAS

6

9-89

Location

Loc Qty

Loc Code

FP001

41

m133363

41

GA

26

m127813

26

ST007

1500

m134055

1500

ST303

1668

m133769

1668

ST305

97

m130922

97

AN5-36A

Purchased

No

110

Each

131.0000

4

4

AN5-36A

Bolt

**

DAS

6

9-89

Location

Loc Qty

Loc Code

over004

50

M134134

50

ST299A

1

M131957

1

ST336

78

M130466

15

M133990

63

ST399a

2

M133577

2

Picklist Print

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Page 4

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0563J

Purchased

No

110

Each

1,350.000

8

8

NAS1149D0563.1

Washer

Location

Loc Qty

Loc Code

GA

53

m125807

53

ST260a

900

m133769

400

m133990

500

ST263

294

m133363

94

m133938

200

ST269

103

m128257

103

DAS

6

9-89

DAS
27
9-89

MS21042L5

Purchased

No

110

Each

672.0000

4

4

MS21042L5

Nut

Location

Loc Qty

Loc Code

GA

146

m127813

146

ST007

400

m134055

400

ST303

126

m133577

26

m133790

100

DAS

6

9-89

DAS
27
9-89

MAR 07 2016

MCS

Picklist Print

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Page 5

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

AN4-7A Purchased No

110 Each 137.0000 16 16

AN4-7A

Bolt

**

DAS

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003 100

m133790 100

ST325 37

m131320 37

16

NAS1149D0463J

Purchased No

110 Each 5,319.000 32 32

NAS1149D0463J

WASHER

**

DAS

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA 397

M129390 41

M132035 356

ST260a 2000

M134039 2000

ST263 1573

M134039 1573

ST269 1349

M130799 361

M132317 100

M132677 888

32

D2929 Manufactured No

110 Each 77.0000 2 2

D2929

Spacer

**

MAR 07 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

Mezz 77

53564 33

84944 44

2

DAS
6
9-89

Picklist Print

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Page 6

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

D2930

Manufactured No

110 Each

28.0000

2 2

D2930

Spacer

**

DAS

6

9-89

MCS

MAR 07 2016

Location

Loc Qty

Loc Code

Mezz

28

53563

28

D3405-041

Manufactured No

110 Each

15.0000

1

D3405-041

Ground Handling Lug

**

642443

MAR 07 2016

Location

Loc Qty

Loc Code

st529

15

119182

7

136519

8

AN4C47A

Purchased No

110 Each

28.0000

4

AN4C47A

Bolt

**

134295

DAS

6

9-89

MCS

MAR 07 2016

Location

Loc Qty

Loc Code

FG

10

122491

10

ST341

18

m132879

6

m134050

12

DAS

27

9-89

Picklist Print

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Page 8

Work Order ID: 141227

141227

Parent Item: D209-669-013

D209-669-013

Parent Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016

Required Date: 3/14/2016

Start Qty: 1.00

Required Qty: 1.00

D3456-1

Manufactured No

110

Each

125.0000

0

1

D3456-1

Washer

**

DAS
6
9-89

14/125

Location

Loc Qty

Loc Code

FG

7

25701

7

ST038

118

136922

43

140756

75

MCS

DAS
27
9-89

D3417-5

Manufactured No

110

Each

81.0000

2

2

D3417-5

Washer

**

DAS
6
9-89

Location

Loc Qty

Loc Code

ST035

81

136618

3

138368

78

MCS

DAS
27
9-89

MAR 07 2016

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D209-669 REV. B

INSTRUCTIONS:

- 1) FOR D209-669-011/-012/-013/-014 SKID TUBES @ CHANGE 003 AND SUBSEQUENT, MODIFY THE FOLLOWING:
 - a) REPLACE THE D2968-041 TOW RING WITH THE D3407-041 TOW RING ASSEMBLY.
 - b) REPLACE THE D2736-1 AND D2736-3 GHW LUGS WITH THE D3405-041 AND D3405-043 LUG ASSEMBLIES.
 - c) AMEND THE PARTS LIST IN SECTION 5.0 OF INSTALLATION INSTRUCTIONS IIN-D209-669 REV. B AS SHOWN ON PAGE 2 OF THIS DSI.

NOTE: ALL INSTALLATION FASTENERS FOR THE ABOVE CHANGES HAVE BEEN UPDATED. SEE THE AMENDED PARTS LIST ON PAGE 2 FOR DETAILS.

20160203 SH 141227

A	NEW ISSUE	AJS	09.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9450	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SKIDTUBE INSTALLATIONS	NTS
DATE	09.02.24	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

5.0 PARTS LIST

ITEM	QTY -011	QTY -012	QTY -013	QTY -014	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
	X						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
		X					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			X				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
				X			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			X		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1	1		X	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)

IS:

50	4	4	1	1			D3405-041	LUG ASSEMBLY
51	8	8	4	4			AN4C47A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21043-4	NUT
54			1	1			D3405-043	LUG ASSEMBLY
60	1	1	1	1			D3407-041	TOW RING ASSEMBLY
61	1	1	1	1			D3456-1	WASHER
62	1	1	1	1			MS21043-4	NUT
63	2	2	2	2			D3417-5	WASHER

WAS:

50	4	4	1	1			D2736-1	GHW LUG
51	8	8	4	4			AN4-46A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21042L4	NUT (OR MS21042-4)
54			1	1			D2736-3	GHW LUG
60	1	1	1	1			D2968-041	TOW RING
61	1	1	1	1			AN970-4	WASHER
62	1	1	1	1			MS21042L4	NUT (OR MS21042-4)

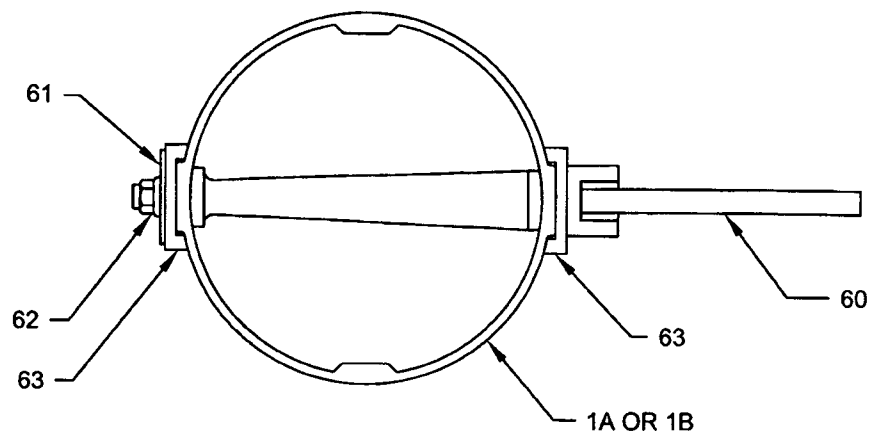
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	AJS	
CHECKED		DRAWING NO.
MFG. APPR.	N/A	DSI 9450
APPROVED		TITLE
DE APPR.		SKIDTUBE INSTALLATIONS
DATE	09.02.24	SCALE
		NTS

REV. A
SHEET 2 OF 3

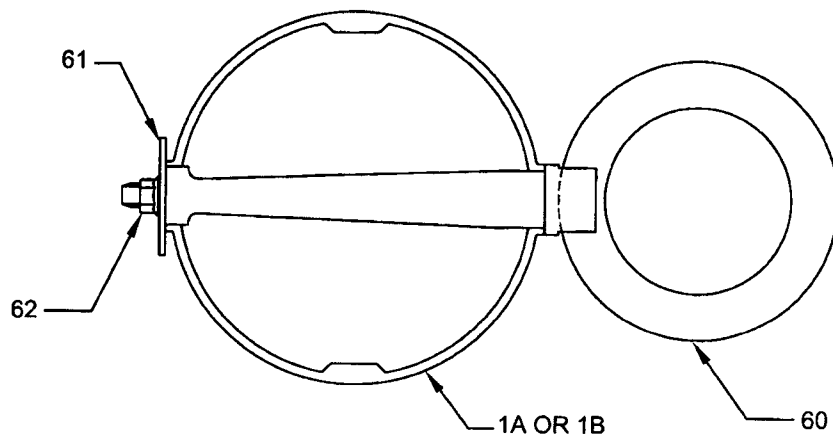
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INSTALL TOW RING ASSEMBLY AS SHOWN BELOW (REFER TO SECTION F-F OF IIN-D209-669 REV. B.

IS:



WAS:



NO PICTORIAL CHANGE REQUIRED FOR GROUND HANDLING WHEEL LUG CHANGES.

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9450	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SKIDTUBE INSTALLATIONS	NTS
DATE	09.02.24	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

Work Order ID 141227***141227***

Page 1

February 01, 2016 2:52:12 PM

Item ID: D209-669-013

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AH-1F/P/S Skidtube LH with Standard Wearplates

Start Date: 2/1/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 3/14/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: SA Date: 20160203 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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D209-669-013	Rev B (DEO)
--------------	-------------

DSI 9450	Rev A
----------	-------

100

Document Control

0.00

DAS
8
9-88***100***

DC

DOCUMENT CONTROL

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP d209-669-013 CHG004

MCS MAR 08 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
8
9-88

MAR 07 2016

REFERENCE ONLY

DAS
28
9-80

4.0 WEIGHT AND BALANCE

The following weight and balance information is for the replacement Dart parts. The weight and balance of the skidtubes that are being removed from the aircraft is the responsibility of the installer.

Installation	Weight	LONGITUDINAL	
		Arm	Moment
D209-669-011/-012	49.6 lb	170.4 in	8452 in lb
SKIDTUBE INSTALLATION	22.5 kg	4.33 m	97.4 m kg
D209-669-013/-014	43.8 lb	176.5 in	7731 in lb
SKIDTUBE INSTALLATION	19.9 kg	4.48 m	89.2 m kg

5.0 PARTS LIST

Item	Qty -011	Qty -012	Qty -013	Qty -014	Qty -041	Qty -043	Part Number	Description
	X						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
		X					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			X				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
				X			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			X		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1	1		X	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)
1A					1		D2906-041	SKIDTUBE ASSEMBLY
1B						1	D2906-043	SKIDTUBE ASSEMBLY
2	1		2				D2917-1	OUTER SADDLE (FWD, LH)
3		1		2			D2917-2	OUTER SADDLE (FWD, RH)
4	1		2				D2918-1	INNER SADDLE (FWD, LH)
5		1		2			D2918-2	INNER SADDLE (FWD, RH)
6	1						D2919-1	OUTER SADDLE (AFT, LH)
7		1					D2919-2	OUTER SADDLE (AFT, RH)
8	1						D2920-1	INNER SADDLE (AFT, LH)
9		1					D2920-2	INNER SADDLE (AFT, RH)
10	8	8	8	8			AN4-51A	BOLT
11	16	16	16	16			D2570	BUSHINGS
12	8	8	8	8			MS21042L4	NUT (OR MS21042-4)
13	2	2	4	4			AN5-36A	BOLT
14	2	2					AN5-41A	BOLT
15	8	8	8	8			AN960JD516	WASHER
16	4	4	4	4			MS21042L5	NUT (OR MS21042-5)
17	16	16	16	16			AN4-7A	BOLT
18	32	32	32	32			AN960JD416	WASHER
19	16	16	16	16			MS21042L4	NUT (OR MS21042-4)

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20	2	2	2	2			D2929	SPACER
21	2	2	2	2			D2930	SPACER
*30A					1	1	D3564-9	WEARSHOE (REPLACES D2577-1)
*30B					1	1	D3566-1	GASKET
*31A					1		D3564-15	WEARSHOE (REPLACES 18" D2577-5)
*31B					1		D3566-15	GASKET
*32A					1	1	D3564-11	WEARSHOE (REPLACES D2577-3)
*32B					1	1	D3566-1	GASKET
*33A					1	1	D3564-5	WEARSHOE (REPLACES D2577-5)
*33B					1	1	D3566-5	GASKET
*34					50	44	AN3C4A	BOLT (REPLACES AN3-4A)
*35					50	44	AN960C10L	WASHER (REPLACES AN960JD10L)
*36					50	44	AKS7-1032-130	INSERT (OR ALS7-1032-130, OR ALS4-1032-130, OR AKS4-1032-130)
*37					12	14	D2594-1	PLUG
*38					12	14	D2594-3	O-RING
*40					2	2	D2855	AFT CAP
*41					4	4	AN3-5A	BOLT
*42					4	4	AN960JD10L	WASHER
*43					4	4	AKS7-1032-225	INSERT (OR ALS7-1032-225, OR ALS4-1032-225, OR AKS4-1032-225)
50	4	4	1	1			D2736-1	GHW LUG
51	8	8	4	4			AN4-46A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21042L4	NUT (OR MS21042-4)
54			1	1			D2736-3	LUG ASSEMBLY
60	1	1	1	1			D2968-041	TOW RING
61	1	1	1	1			AN970-4	WASHER
62	1	1	1	1			MS21042L4	NUT (OR MS21042-4)

* DENOTES THAT PART IS INCLUDED WITH D2906-041/-043 SKIDTUBE ASSEMBLY

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5.0 PARTS LIST

USE ONLY

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ITEM	QTY -011	QTY -012	QTY -013	QTY -014	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
	X						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
		X					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			X				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
				X			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			X		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1	1		X	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)

IS:

50	4	4	1	1			D3405-041	LUG ASSEMBLY
51	8	8	4	4			AN4C47A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21043-4	NUT
54			1	1			D3405-043	LUG ASSEMBLY
60	1	1	1	1			D3407-041	TOW RING ASSEMBLY
61	1	1	1	1			D3456-1	WASHER
62	1	1	1	1			MS21043-4	NUT
63	2	2	2	2			D3417-5	WASHER

WAS:

50	4	4	1	1			D2736-1	GHW LUG
51	8	8	4	4			AN4-46A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21042L4	NUT (OR MS21042-4)
54			1	1			D2736-3	GHW LUG
60	1	1	1	1			D2968-041	TOW RING
61	1	1	1	1			AN970-4	WASHER
62	1	1	1	1			MS21042L4	NUT (OR MS21042-4)

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9450	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SKIDTUBE INSTALLATIONS	NTS
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